

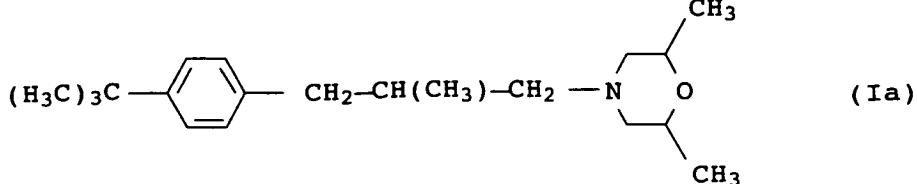
Abstract

Fungicidal mixtures, comprising as active components

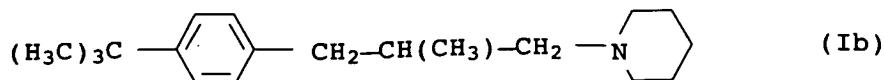
5

- a) a morpholine or piperidine derivative I selected from the group of the compounds Ia, Ib, Ic and Id

10

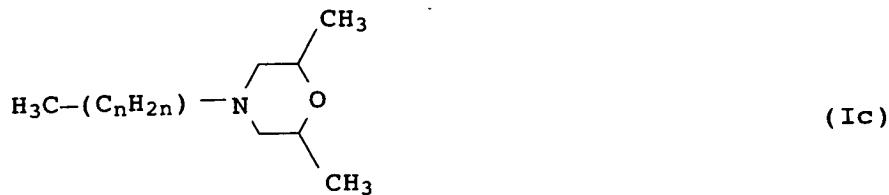


15

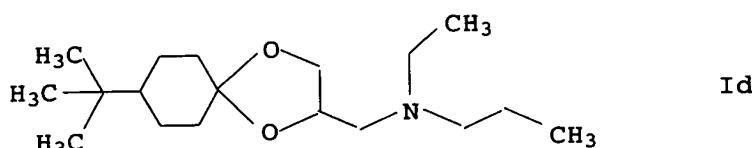


20

25



30



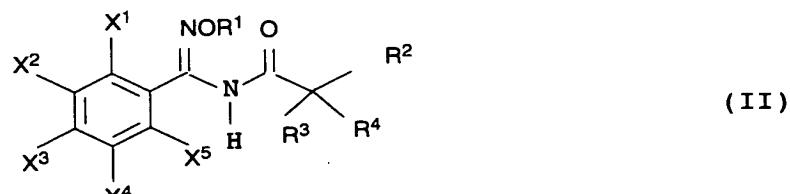
35

and

- b) compounds of the formula II

40

45



22

where the substituents X¹ to X⁵ and R¹ to R⁴ are as defined below:

X¹ is C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or halogen;

5 X² to X⁵ are, independently of one another, hydrogen, halogen, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy or C₁-C₄-haloalkoxy;

R¹ is C₁-C₄-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl,
10 C₁-C₄-alkyl-C₃-C₇-cycloalkyl, C₁-C₄-alkyl-C₃-C₇-cycloalkenyl,
where these radicals may carry substituents selected from the group consisting of halogen, cyano and C₁-C₄-alkoxy,

R² is a phenyl radical or a 5- or 6-membered saturated or
15 unsaturated heterocyclyl radical having at least one heteroatom selected from the group consisting of N, O and S, where the cyclic radicals may have one to three substituents selected from the group consisting of halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy,
20 C₁-C₄-alkoxy-C₂-C₄-alkenyl, C₁-C₄-alkoxy-C₂-C₄-alkynyl,

R³ and R⁴ are, independently of one another, hydrogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, N-C₁-C₄-alkylamino, C₁-C₄-haloalkyl or C₁-C₄-haloalkoxy
25 in a synergistically effective amount are described.

30

35

40

45